GeoVision inc
The Vision of Security

Quick Start Guide

GV-IP Decoder Box and GV-Pad

Note: no SD/SDHC card slot or local storage function in Argentina

Thank you for purchasing GV-IP Decoder Box and GV-Pad. This guide is designed to assist the new user in getting immediate results from the GV-IP Decoder Box and GV-Pad. For advanced information on how to use the GV-IP Decoder Box and GV-Pad, please refer to *GV-IP Decoder Box and GV-Pad User's Manual* on Software DVD.

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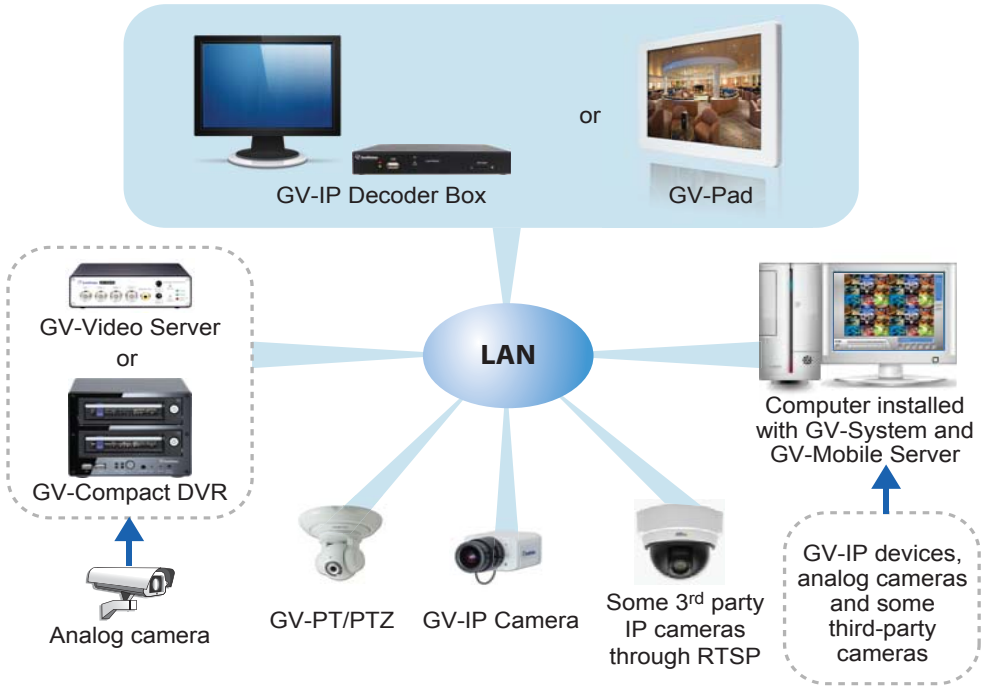
English
DBV10-QG-A

1 Introduction

Welcome to the *GV-IP Decoder Box / GV-Pad Quick Start Guide*. In the following sections, you will learn about the basic configuration and features of the GV-IP Decoder Box / GV-Pad. For a detailed user's manual, see *GV-IP Decoder Box and GV-Pad User's Manual* on software DVD.



Packing List

GV-IP Decoder Box

- GV-IP Decoder Box × 1
- AC/DC adapter × 1 (12 V, 3 A, 36 W)
- Software DVD x 1
- IR remote control × 1
- Power cord x 1

GV-Pad

- GV-Pad × 1
- Magnetic hinge x 1
- AC/DC adapter × 1 (12 V, 3 A, 36 W)
- Software DVD x 1
- IR remote control × 1
- Screw x 4
- Power cord x 1

Compatible Devices

The GV-IP Decoder Box / GV-Pad is compatible with most GeoVision IP devices (of the indicated firmware versions) and several third-party IP devices that support RTSP. The supported devices are listed below.

Supported GeoVision IP Devices			Supported Third-Party IP Devices
Device Type	Models	Firmware Versions	
Box Camera	GV-BX110D	V1.08 or later	Axis P1311
	All models (except GV-BX110D)	V1.06 or later	Sanyo VCC-HD2100P
Bullet Camera	GV-BL110D	V1.08 or later	Sanyo VCC-HD5600P
	All models (except GV-BL110D)	V1.06 or later	Vivotek IP8151
Cube Camera Fixed Dome Vandal Proof IP Dome	All models	V1.06 or later	Pelco D5118 Samsung SNB-3000N
Mini Fixed Dome	GV-MFD110	V1.08 or later	
	All models (except GV-MFD110)	V1.06 or later	
PT Camera	GV-PT110D	V1.08 or later	
PTZ Camera	GV-PTZ010D	V1.08 or later	
Speed Dome	All models	V1.02 or later	
Video Server	GV-VS04H	V1.04 or later	
	GV-VS11	V1.0 or later	
	GV-VS12	V1.05 or later	
Compact DVR	GV-Compact DVR V3 series only	V1.0 or later	

IMPORTANT: The connected GeoVision and third-party channels must be set with H.264 codec to be compatible.

To decode and display **non-H.264** IP channels or **analog** channels, connect the devices to GV-System and access them through GV-Mobile Server. The supported devices are listed below.

Supported Devices Connected to GV-System
Analog cameras
All models of GeoVision IP cameras, GV-Video Server, GV-Compact DVR, GV-IP Speed Dome, GV-Smart Box and GV-DSP LPR
11 brands of third-party IP cameras. For detail, see http://www.geovision.com.tw/english/4_21.asp

Options

Optional accessories can expand the capabilities and versatility of your GV-IP Decoder Box / GV-Pad. Contact your dealer for more information.

Device		Description
Wall Mount Kit		For GV-IP Decoder Box only. Used to mount GV-IP Decoder Box on wall.
VESA monitor mount kit		For GV-IP Decoder Box only. Used to mount GV-IP Decoder Box on the back of a VESA monitor.
GV-Joystick		Connected to GV-IP Decoder Box / GV-Pad to control GV PTZ cameras including GV-PT110D, GV-PTZ010D and GV-IP Speed Dome.

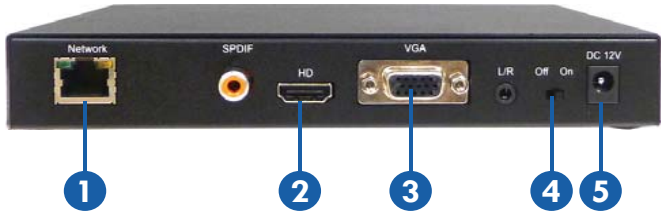
2 Overview

GV-IP Decoder Box

Front View

No.	Name	Function
1	LED Indicators	The green LED indicates the system is ready for use. The red LED indicates the power is supplied.
2	USB	Connect to a GV-Joystick, or to a USB storage device for local storage of snapshot and firmware upgrade.
3	IR	Built-in IR receiver to receive the IR signals from the IR remote control.
4	Default	Reset the GV-IP Decoder Box to the default factory settings. Use a pin to press the button until the green LED fades. This will take about 10 seconds. The system will then reset and reboot itself shortly.
5	SD Card Slot	Connect to an SD card for local storage of snapshot and firmware upgrade.

Back View

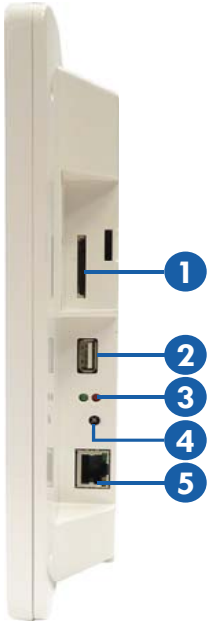


No.	Name	Function
1	Network	Connect to the network.
2	HD	Connect to an HD-supported display device.
3	VGA	Connect to a VGA monitor.
4	Power OFF/ON	Switch the power on or off.
5	DC 12V	Connect to power by using the supplied power adapter.

Note: The SPDIF and L/R ports are not functional.

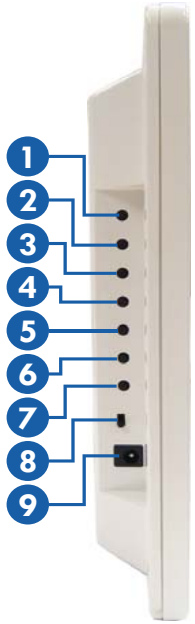
GV-Pad

Right Panel View



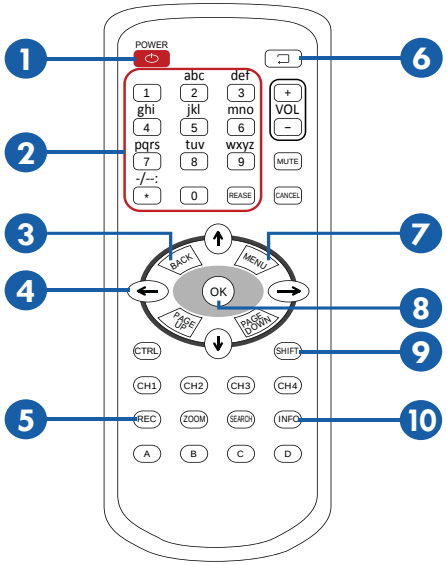
No.	Name	Function
1	SD Card Slot	Connect to an SD card for local storage of snapshot and firmware upgrade.
2	USB	Connect to a GV-Joystick, or to a USB storage device for local storage of snapshot and firmware upgrade.
3	LED Indicators	The **green** LED indicates the system is ready for use. The **red** LED indicates the power is supplied.
4	IR	Built-in IR receiver to receive the IR signals from the IR remote control.
5	Network	Connect to the network.

Left Panel View



No.	Name	Function
1	MENU	• Switch to the setup menu. • Load default: Press for 10 seconds to load default settings.
2	ENTER	• Save settings in the Setup Menu. • Display selected channels.
3	UP	Move the cursor up.
4	DOWN	Move the cursor down.
5	LEFT	• Move the cursor left. • Unselect a channel on the Device List.
6	RIGHT	• Move the cursor right. • Select a channel on the Device List.
7	STAND BY	Press to enter the Standby mode. In the standby mode, the screen turns off to minimize power consumption. Press the key again to enter the ON mode.
8	Power OFF/ON	Switch the power on or off.
9	DC 12V	Connect to power using the supplied power adapter.

The IR Remote Control

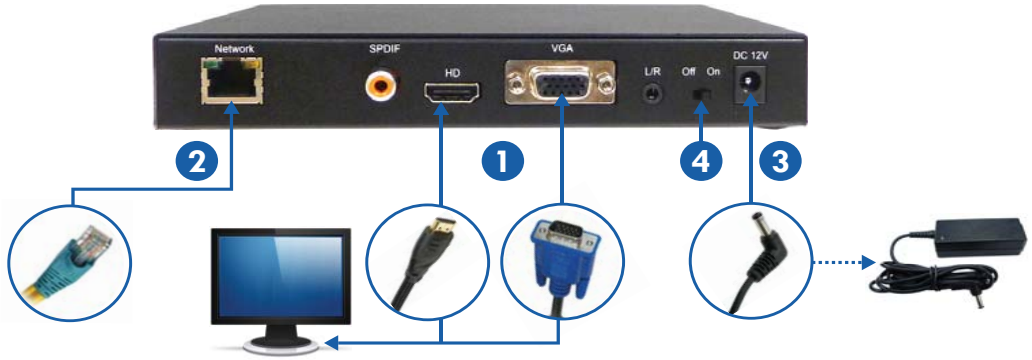


No.	Name	Function
1	Power	Turn on or off the GV-IP Decoder Box / GV-Pad.
2	Numeric / Alphabetical / Punctuation Marks keys	Enter numbers, alphabets or punctuation marks.
3	Back	Back to the previous page in the Setup Menu.
4	Arrow	• Move up, down, right and left in the Setup Menu. • Right arrow key: select a channel on the Device List. • Left arrow key: unselect a channel on the Device List.
5	REC	Capture a snapshot.
6	Loop Start / Stop	• Start or stop sequential display. • Display and fix at a channel: press the **Loop Start / Stop** key, a numeric key and **OK** to display and fix at the selected channel. Press **0** and **OK** to return to the last displayed channel.
7	Menu	Switch to the setup menu.
8	OK	• Save settings in the Setup Menu. • Display selected channels.
9	Shift	Switch among the 8 resolutions. When the key is pressed, the Green LED on the front panel flashes. Press No. 0 ~ 7 for the desired resolution within 30 seconds. Shift + 0 : VGA_640 x 480 Shift + 1 : VGA_1024 x 768 Shift + 2 : VGA_1280 x 768 Shift + 3 : VGA_1366 x 768 Shift + 4 : HD_480p Shift + 5 : HD_720p Shift + 6 : HD_1080i Shift + 7 : HD_1080p Note after the resolution is configured, the green LED will fade and GV-IP Decoder Box will reboot automatically.
10	INFO	Shows the camera name and total number of cameras under display.

Note: The Shift key is only functional for GV-IP Decoder Box.

3 Connection

GV-IP Decoder Box



1. Connect a display device to VGA connector or HD connector for video output.
2. Connect to a standard network cable.
3. Connect to power using the supplied power adapter.
4. Turn the Power switch to ON.

Note:

1. The GV-IP Decoder Box can only be connected to one display device through the HD or VGA connector.
2. The default video output is set to VGA with 1024 x 768 resolutions. If you use an HD monitor, be sure to configure the output type. To change the default setting or configure the output type, see *3.5 Configurging the Accout, Storage and Output Type* in the *GV-IP Decoder Box and GV-Pad User's Manual* on software DVD.

GV-Pad

1. Connect to power using the supplied power adapter.
2. Connect to a standard network cable.
3. Turn the Power switch to ON.

Continued on the reverse > > > > >

4 Configuring the IP Address, ID and Password

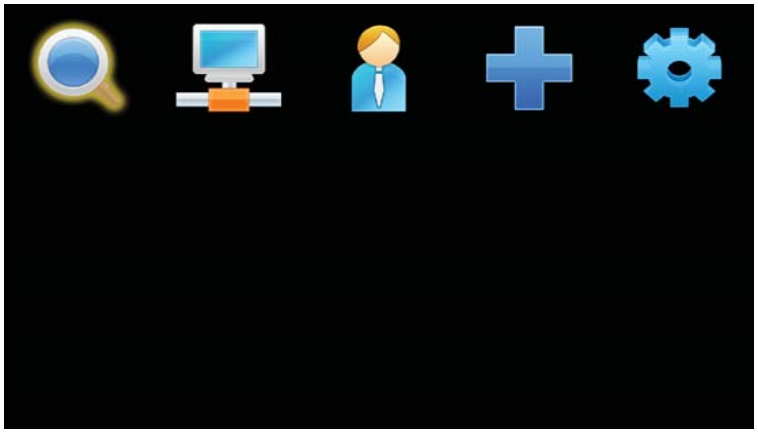
After you have installed and connected the necessary cables, you are ready to configure the IP address, ID and password.

The GV-IP Decoder Box / GV-Pad contains two sets of ID and password: one set is required when configuring GV-IP Decoder Box through GV-IP Device Utility; the other set is for direct connection between GV IP devices and GV-IP Decoder Box.

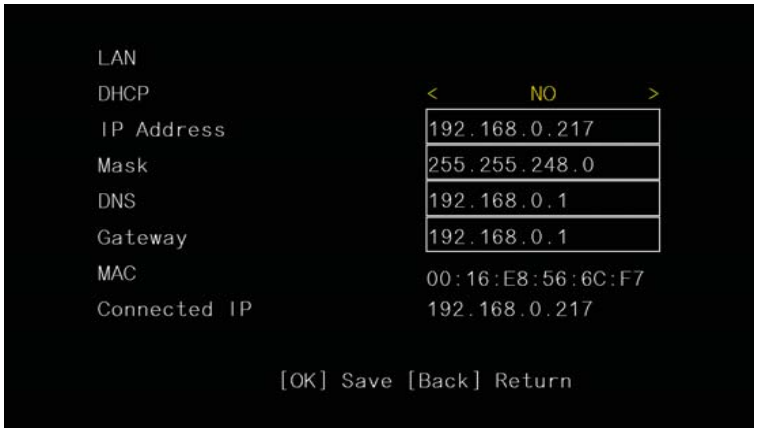
Note:

1. By default, the IP address of GV-IP Decoder Box / GV-Pad is **192.168.0.10** and the ID and password are **admin**. Therefore, it is advisable to configure the IP address to avoid IP conflict when a new GV IP device is installed under the same LAN.
2. When connecting directly to GV-IP Decoder Box, the GV IP devices need to have the same ID and password set on the GV-IP Decoder Box.

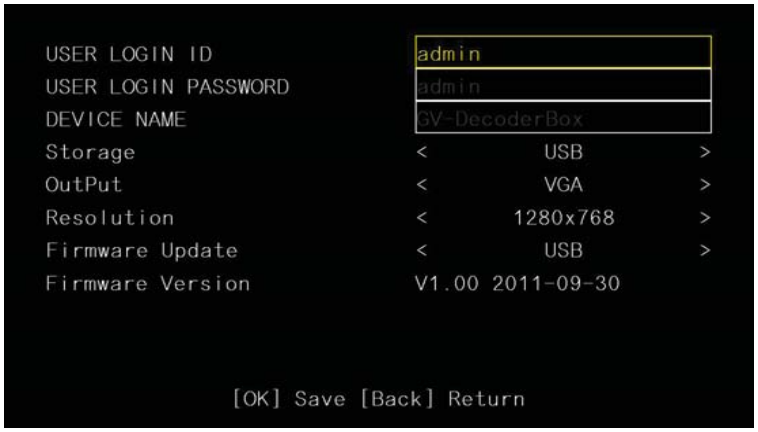
1. Power on your GV-IP Decoder Box / GV-Pad. The main menu appears.



2. Configure the IP address.
   A. On the main menu, select the icon and press **OK**. This window appears.



   B. To set up a dynamic IP address, select **Yes** for the DHCP option, and press **OK** to confirm.
   C. To set up a static IP address, type the network information as required and press **OK**.
   D. The system will restart and the green LED will fade. Wait for the green LED to return.
3. Configure ID and password for GV-IP Decoder Box / GV-Pad.
   A. On the main menu, select the icon and press **OK**. This window appears.



B. Type the ID and password and press **OK** to confirm. The maximum number of characters is 14.

4. Configure the ID and password for GV IP device connection.
   A. On the main menu, select the icon and press **OK**. This window appears.

   B. Type the ID and password and press **OK** to confirm. The maximum number of characters is 15.

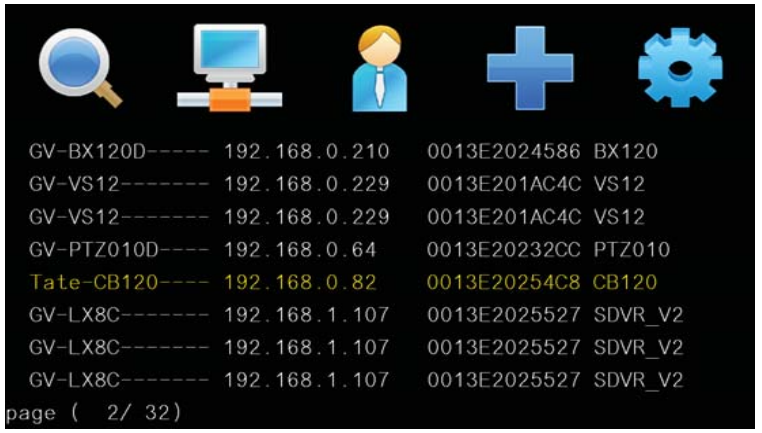
5 Displaying Channels from GV IP Devices

Use the search feature on GV-IP Decoder Box to display channels of GV IP devices installed under the same LAN.

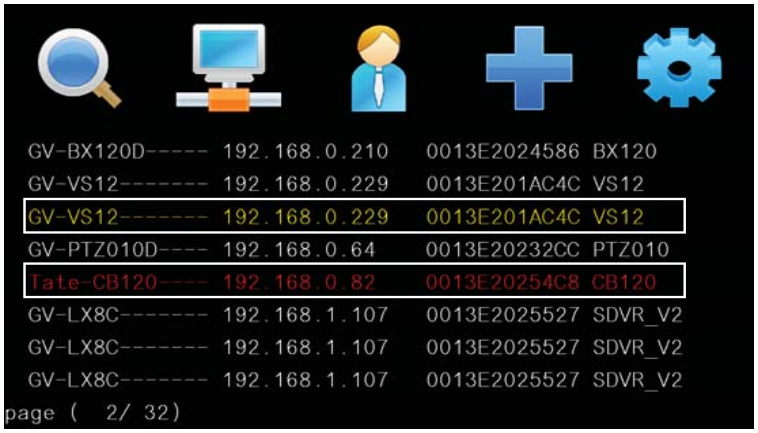
Note: The GV-IP Decoder Box / GV-Pad can decode a total of 64 channels from GeoVision and third-party IP devices.

1. Be sure your GV IP devices:
   - are under same LAN with the GV-IP Decoder Box / GV-Pad.
   - have the same ID and password set on the GV-IP Decoder Box / GV-Pad for IP channel connection. For detail, see, step 4 in *4. Configuring the IP Address, ID and Password*.
   - have the same VSS port with the NVR port of the GV-IP Decoder Box.

2. Select the icon and press **OK**. The GV IP devices under the same LAN will appear on the Device List.



3. To move the cursor (shown in yellow), press the up and down arrow keys. To select, press the right arrow key (shown in red).



4. Press the **OK** key, the selected channels will be displayed.

Note:

1. When the system idles over 30 seconds or resumes after power interruption, the GV-IP Decoder Box will automatically display channels based on the last successful settings.
2. Every time when the search function is performed, any channels selected previously on the Device List will be unselected.

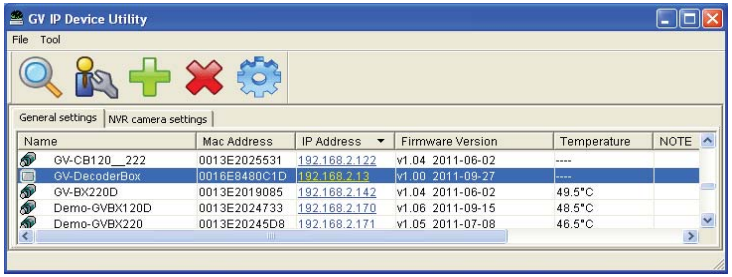
To add third-party IP channels, see *6. Displaying Channels Using GV IP Device Utility* in the *Quick Start Guide*.

To access the channels connected to GV-System, see *2.6 Displaying Channels from GV-System* in *GV-IP Decoder Box and GV-Pad User's Manual* on software DVD.

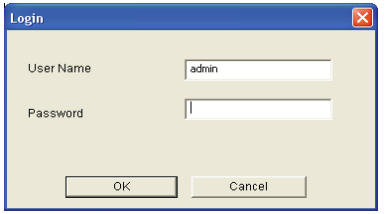
6 Displaying Channels Using GV IP Device Utility

You may use the GV IP Device Utility to add and display channels from GV IP devices, GV-System (through GV-Mobile Server) and third-party IP devices through RTSP.

1. Make sure your GV IP devices, GV-System or third-party IP devices are under same LAN with the GV-IP Decoder Box.
2. Install the GV IP Device Utility in a computer under the same LAN with GV-IP Decoder Box. Double-click the GV IP Device Utility icon on the desktop. The GV IP Utility window appears. It will automatically search for all the channels from GV IP devices and from GV-System under the same LAN.

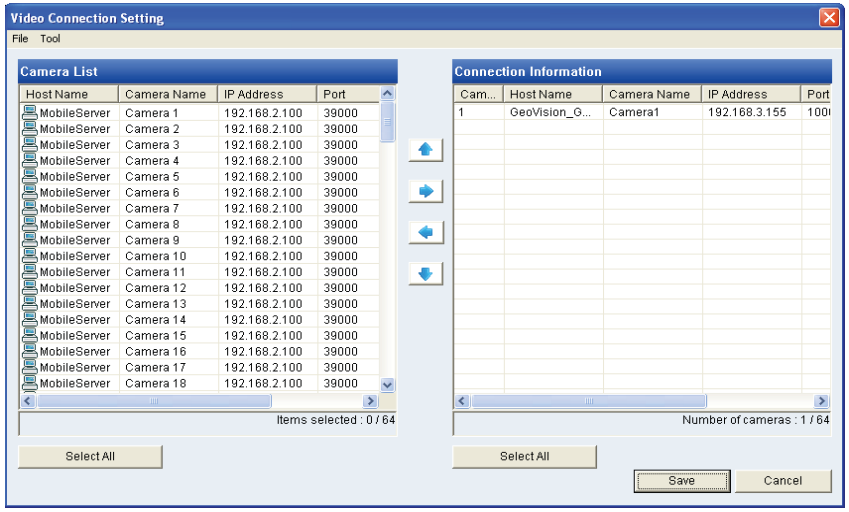


3. Click on the IP address of your GV-IP Decoder Box and select **Connect Setting**. This dialog box appears.



4. Type the ID and password of your GV-IP Decoder Box and click **OK**. For detail, see step 3 in *4. Configuring the IP Address, ID and Password*. The Video Connection Setting window appears.

The IP devices under the same LAN with the GV-IP Decoder Box will be listed in the Camera List column, and the connected channels will be listed in the Connection Information column.

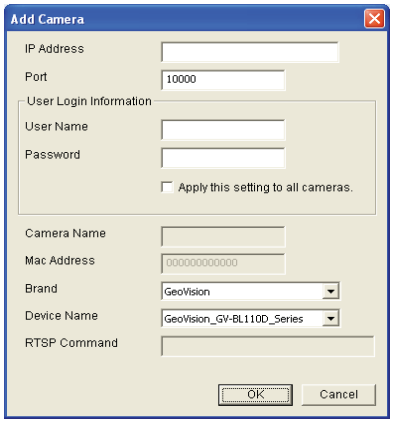


5. To connect to a GV IP device or devices from GV-System, use the and **right** and **left** buttons to add or remove the device.

IMPORTANT: To select and connect to channels from GV-System, be sure you have run and configured GV-Mobile Server. For setup steps, see *2.6 Displaying Channels from GV-System* in *GV-IP Decoder Box and GV-Pad User's Manual* on software DVD.

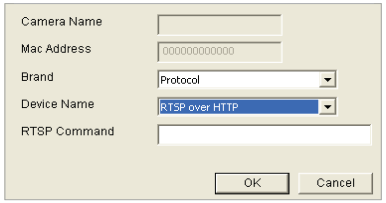
6. Right-click the added channel, select **Edit** and type the username and password of the channel to log in. By default the login username and password both are **admin** in all GV IP devices.
7. To add a third-party IP camera, follow the steps below.

A. Click **Tool** on the Video Connection Setting window, and select **Add Camera**. This dialog box appears.



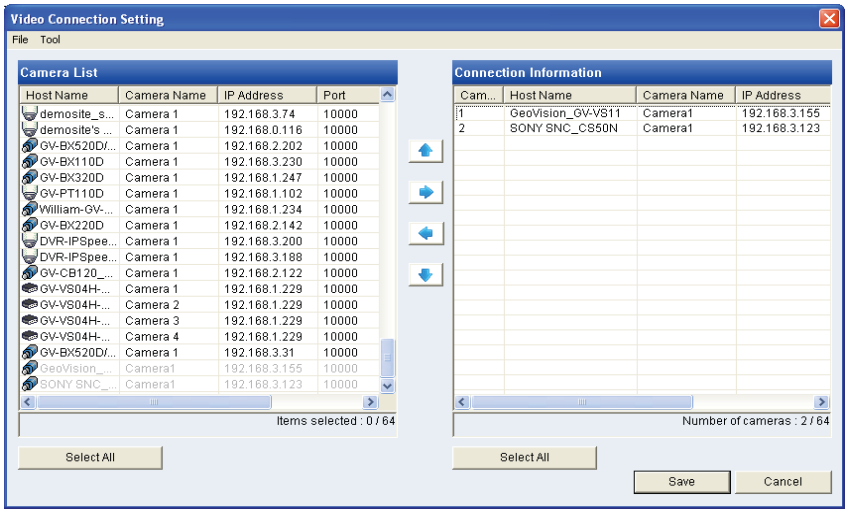
B. Type the IP address, user name and password of the device.

C. Select **Protocol** for Brand and one of the following RTSP type for Device Name field using the drop-down lists, and type the RTSP command. Refer to your third-party IP camera's manual for this information.



- **RTSP over HTTP:** The RTSP protocol uses an HTTP port for data streaming from the IP camera.
- **RTSP over TCP:** The RTSP protocol uses a TCP port for data streaming from the IP camera.
- **RTSP over UDP:** The RTSP protocol uses a UDP port for data streaming from the IP camera.

D. Click **OK**. The camera will be added to the list.



8. Use the **up** and **down** buttons to move the added channels up and down the Connection Information list. The channels will be displayed according to this order.
9. Click **Save**. The cameras on the Connection Information column will be updated to the GV-IP Decoder Box and displayed on the monitor.

7 Taking a Snapshot

The security administrators can capture images when events occur. Snapshot images are automatically saved to an inserted storage device such as a USB drive or SD card in JPEG format.

Before you start, be sure:

- you have at least 30 MB of space on your storage device.
- you have inserted a USB drive or SD card for storage.
- the storage type is correctly configured.

Otherwise, the error icon appears when attempting to capture an image.

1. On the main menu, select and select the inserted storage device under Storage.
2. Press the (REC) key to capture the image. A camera icon appears at the top right corner of the monitor and 3 consecutive snapshots will be taken and saved to the inserted storage device.

8 Pausing the Looped View

You can pause the looped view at a single channel. To pause the looped view, press the key. A loop sign with a cross will appear on the top-right corner of the display channel. To resume to the looped view, press the key again.

9 Upgrading the Firmware

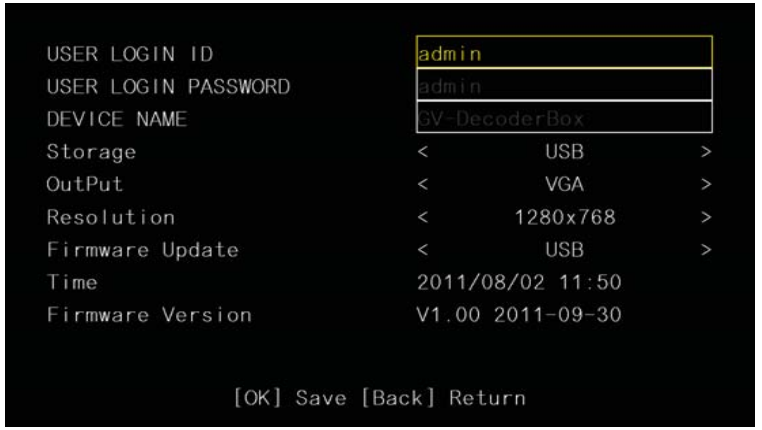
We will periodically release the updated firmware on the website. You may choose to update firmware locally using a USB drive or SD card

To upgrade the firmware remotely through GV IP Device Utility, see *3.6.2 Upgarding Firmware through GV IP Device Utility* in *GV-IP Decoder Box and GV-Pad User's Manual* on software DVD.

Before you start, be sure:

- you have inserted a storage device (USB drive or SD card) and it contains one firmware file only.
- the USB drive or SD card must have at least 100 MB of free space.

1. Copy the firmware file to the root folder of a USB storage device or a SD card.
2. Connect the USB drive or SD card to the GV-IP Decoder Box / GV-Pad.
3. On the setup menu, select and press **OK**. This window appears.



4. In the **Firmware Update** field, select **USB** or **SD** storage that stores the firmware file.
5. Press **OK**. The firmware upgrade runs automatically, and the GV-IP Decoder Box / GV-Pad will restart after the firmware upgrade is completed.

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